6400 ARAPAHOE ROAD SITE PLAN REVIEW SUBMITTAL

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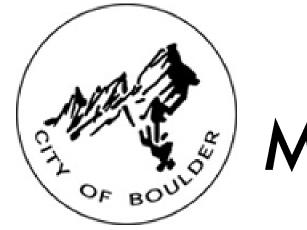
A2.0 – Office Building Elevations Phase I

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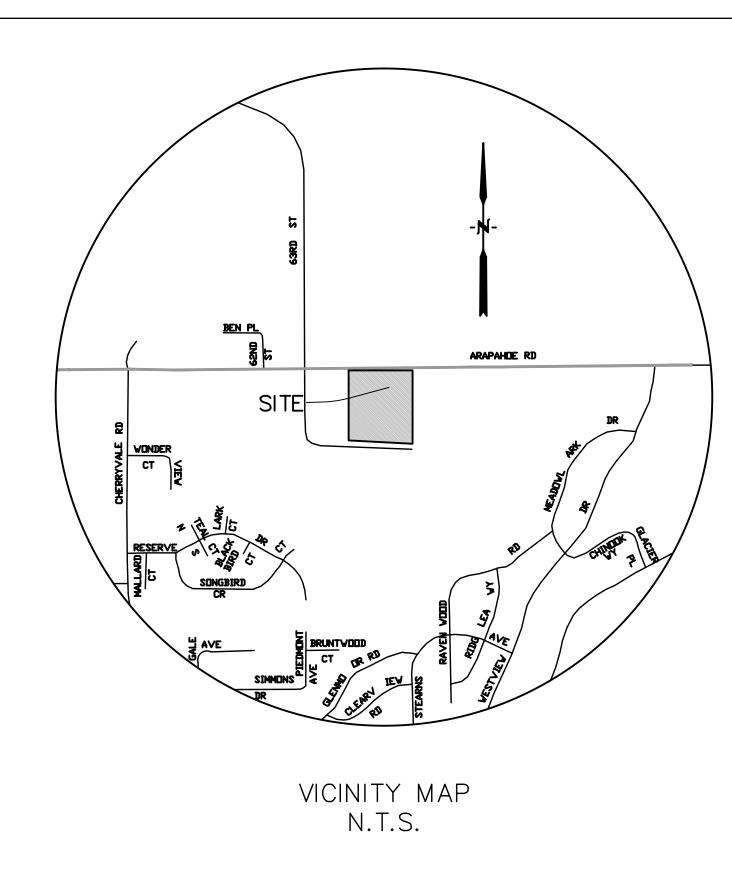
A2.2 - Warehouse Elevations Phase I & II

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City of Boulder March 18, 2011

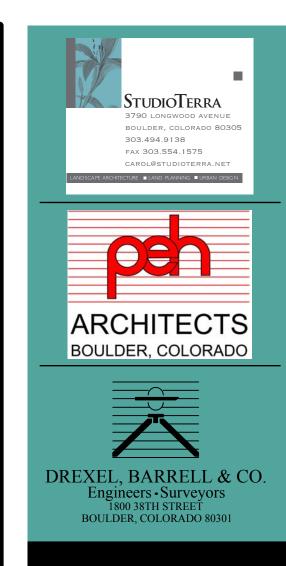


PHASE I AND PHASE II Eco-Cycle, CHaRM, and ReSource









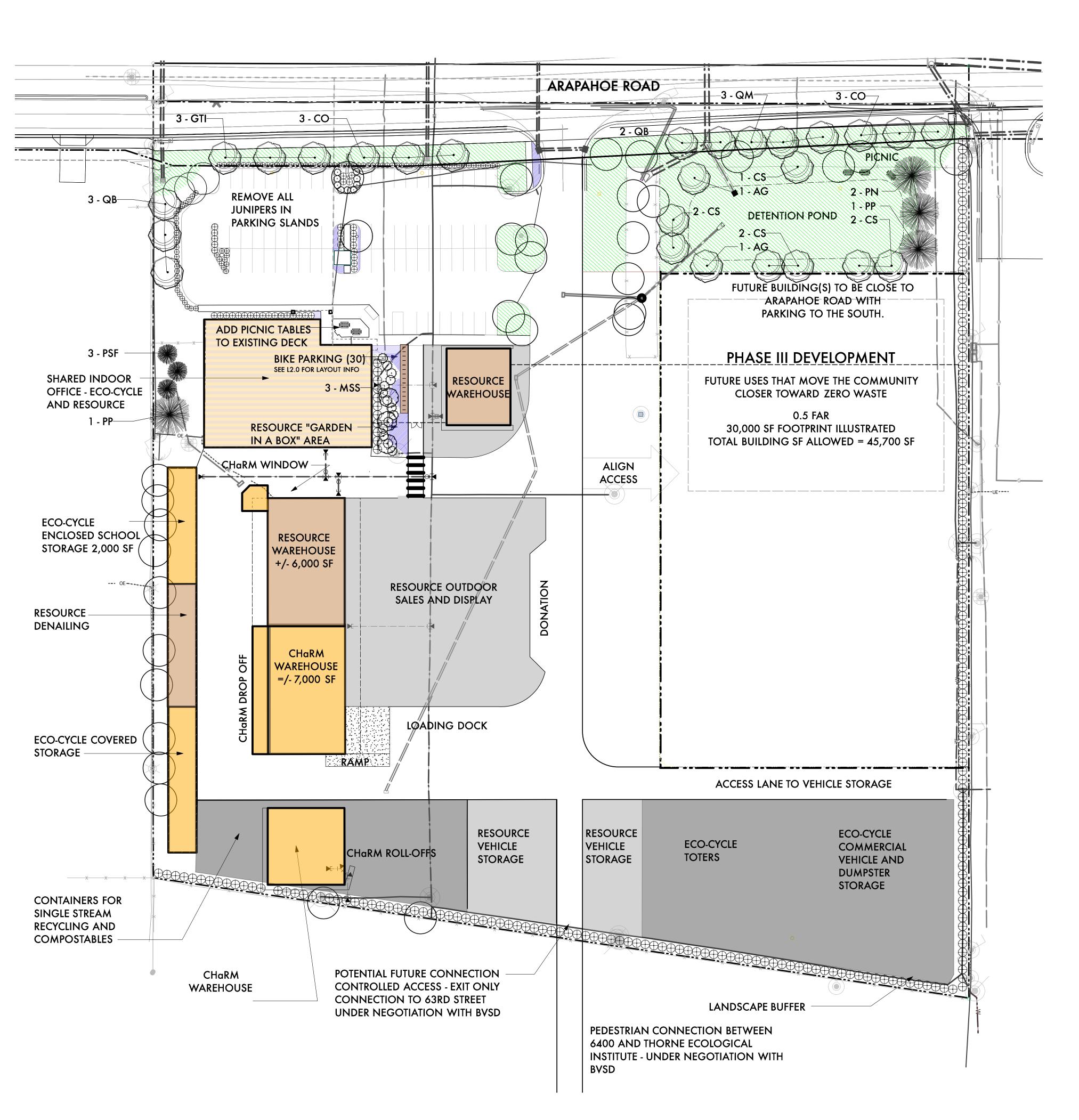
6400 Arapahoe Road
Boulder, Colorado
SITE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

MARCH 18, 2011

SITE REVIEW
COVER SHEET





NOTES:

1. ALL PLANT MATERIAL SHALL MEET SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) FOR NUMBER ONE GRADE. ALL TREES SHALL BE BALLED AND BURLAPPED OR EQUIVALENT. ALL PLANT MATERIALS SHALL HAVE ALL WIRE, TWINE OR OTHER CONTAINMENT MATERIALS, EXCEPT FOR BURLAP, REMOVED FROM TRUNK AND ROOT BALL OF THE PLANT PRIOR TO PLANTING.

- 2. ALL SHRUBS SHALL BE PLANTED NO LESS THAN 3' FROM ANY SIDEWALK OR CURB.
- 3. DEVELOPERS SHALL ENSURE THAT THE LANDSCAPE PLAN IS COORDINATED WITH THE PLANS DONE BY OTHER CONSULTANTS SO THAT THE PROPOSED GRADING, STORM DRAINAGE, OR OTHER CONSTRUCTIONS DOES NOT CONFLICT NOR PRECLUDE INSTALLATION AND MAINTENANCE OF LANDSCAPE ELEMENTS ON THIS PLAN.
- 4. ALL SHRUB BEDS AND PERENNIAL BEDS ADJACENT TO TURF AREAS SHALL BE EDGED WITH RYERSON OR APPROVED EQUIVALENT STEEL EDGER
- 5. ALL SHRUB BED AREAS AND TREE PITS SHALL BE MULCHED WITH A LAYER OF SHREDDED BARK MULCH OVER WEED BARRIER FABRIC TO A DEPTH OF 4". PERENNIALS AND GROUNDCOVER AREAS SHALL BE MULCHED WITH A 3" LAYER OF SHREDDED BARK MULCH.
- 6. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENED; ORGANIC SOIL AMENDMENTS SHALL BE INCORPORATED AT THE RATE OF AT LEAST FOUR (4) CUBIC YARDS PER 1000 SQUARE FEET OF LANDSCAPE AREA.
- 7. IN ALL LANDSCAPE AREAS, AMEND THE TOP SIX INCHES OF SOIL.
- 8. ALL LANDSCAPE (PLANT MATERIALS AND GRASS) WILL BE IRRIGATED WITH AN AUTOMATIC SYSTEM. SEE IRRIGATION PLAN.
- 9. CONTRACTOR SHALL VERIFY ALL MATERIAL QUANTITIES PRIOR TO INSTALLATION. ACTUAL NUMBER OF PLANT SYMBOLS SHALL HAVE PRIORITY OVER THE QUANTITY DESIGNATED.
- 10. REFER TO THE CITY OF BOULDER DESIGN AND CONSTRUCTION STREETSCAPING STANDARDS FOR ALL WORK WITHIN PUBLIC AREAS. REFER TO THE CIVIL ENGINEER DRAWINGS FOR GRADING AND UTILITY INFORMATION.
- 11. THIS PLAN MEETS OR EXCEEDS CITY OF BOULDER LANDSCAPE CODE REQUIREMENTS.
- 12. ALL NEW TREES TO BE 10 FEET FROM UTILITIES PER THE CITY OF BOULDER DESIGN AND CONSTRUCTION STANDARDS, CHAPTER 4.04. ANY VARIATIONS FROM THESE STANDARDS WILL BE MADE ON A CASE BY CASE BASIS BY THE REVIEWING ENGINEER AND UTILITY COMPANIES.
- 13. ALL TREES OF THE SAME SPECIES AND SIZE WILL HAVE MATCHING HEIGHT AND FORM.
- 14. REPLACE ANY EXISTING MATERIALS DAMAGED DURING THE PLANTING OPERATIONS.

LEGEND:



UTILITIES

 SANITARY SEWER
STORM SEWER
 WATER LINE
 GAS LINE
 ELECTRIC LINE

PHASE I

40 FT 20 FT 0 40 FT

STUDIOTERRA

3790 LONGWOOD AVENUE
BOULDER, COLORADO 80305
303.494.9138
FAX 303.554.1575
CAROL@STUDIOTERRA.NET

LANDSCAPE ARCHITECTURE ■ LAND PLANNING ■ URBAN DESIGN





SITE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

MARCH 18, 2011

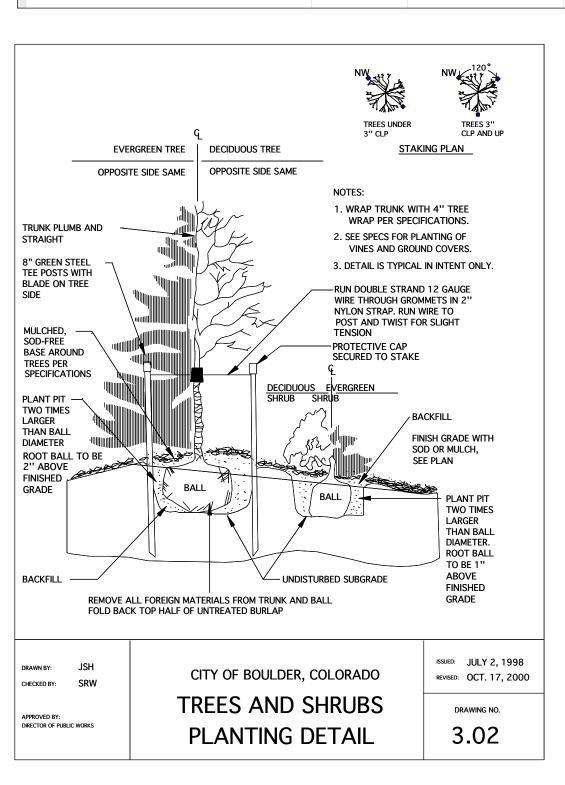
PHASE I LANDSCAPE PLAN

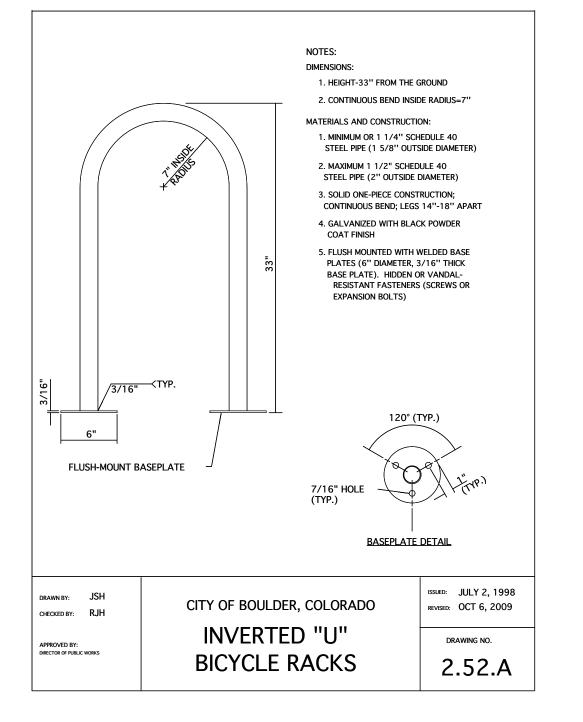
PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR	SEASON	PHASE I QUANTITY	
AESCULUS GLABRA AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE	OHIO BUCKEYE SERVICEBERRY, AUTUMN BRILLIANCE	30'-50' 15-25'	25' 15-20'	LOW	SUN	YELLOW WHITE	SPRING SPRING	2	2
CATALPA SPECIOSA CELTIS OCCIDENTALIS	CATALPA WESTERN HACKBERRY, WESTERN	40-60' 50-60'	30-50' 40-50'	LOW	FULL SUN SUN	WHITE N/A	LATE SPRING-EARLY SUMMER N/A	5	
GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER	HONEYLOCUST, SHADEMASTER	40-50'	30-40'	LOW	SUN	N/A	N/A	3	3
GYMNOCLADUS DIOICUS 'ESPRESSO' MALUS SPRING SNOW	SEEDLESS KENTUCKY COFFEETREE CRABAPPLE. SPRING SNOW	50-60' 20-25'	40-50' 20-25'	LOW MEDIUM	SUN	YELLOW-GREEN WHITE	SPRING SPRING	3	
PRUNUS VIRGINIANA SHUBERT	CHOKECHERRY, SHUBERT OR CANADA RE	ED 20-30'	15-25'	LOW	SUN	WHITE	SPRING		
PYRUS CALLERYANA CHANTICLEER QUERCUS BICOLOR	PEAR, CHANTICLEER OAK, SWAMP WHITE	20-30' 40-60'	15-20' 40-60'	MEDIUM LOW	SUN TO FS	WHITE N/A	SPRING N/A	5	5
QUERCUS MACROCARPA	OAK, BUR	50-80'	50-80'	LOW	SUN	N/A	N/A	3 29	
EVERGREEN TREES	OOMMON NAME	LIEIGUT	CDDEAD	WATER LICE	EVECUEE	ELOWED COLOD	OFACON	OLIANITITY	
BOTANICAL NAME PICEA PUNGENS	COMMON NAME SPRUCE, COLORADO	HEIGHT 40-60'	SPREAD 20-30'	MEDIUM	EXPOSURE SUN TO FS	FLOWER COLOR N/A	SEASON N/A	QUANTITY 2	2
PINUS NIGRA PINUS SYLVESTRIS FASTIGIATA	PINE, AUSTRIAN PINE, UPRIGHT SCOTS	40-60' 30-50'	30-40' 10-15'	LOW	SUN SUN TO FS	N/A N/A	N/A N/A	2	
	TINE, OFFIGITI SOCIO	50-50	10-13	LOW	CONTOTO	IV/A	IWA	7	
DECIDUOUS SHRUBS BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR	SEASON	QUANTITY	
AMELANCHIER ALNIFOLIA 'REGENT' AMELANCHIER UTAHENSIS	REGENT SERVICEBERRY UTAH SERVICEBERRY	6-8' 6-12'	6-8' 6-12'	LOW	SUN	WHITE WHITE	MID-SPRING EARLY SPRING		
ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANT RED CHOKEBERRY	6-12	4-6'	MEDIUM	ADAPTABLE	WHITE	LATE SPRING		
ARONIA MELANOCARPA ELATA CERCOCARPUS LEDIFOLIUS INTRICATUS	BLACK CHOKECHERRY LITTLELEAF MOUNTAIN MAHOGANY	5-8' 3-6'	4-6' 3-5'	LOW VERY LOW	ADAPTABLE SUN TO FS	WHITE YELLOWISH-WHITE	LATE SPRING MID-SPRING		
CERCOCARPUS MONTANUS	COMMON MOUNTAIN MAHOGANY	6-8'	4-6'	VERY LOW	SUN TO FS	YELLOWISH-WHITE	MID-SPRING		
CORNUS ALBA 'ARGENTEOMARGINATA' CORNUS ALBA IVORY HALO	VARIEGATED DOGWOOD IVORY HALO DOGWOOD	6-8' 5-6'	5-8' 5-6'	MEDIUM MEDIUM	SUN TO FS SUN TO FS	WHITE WHITE	LATE SPRING LATE SPRING		
CORNUS SERICEA 'FLAVIRAMEA' CORNUS SERICEA 'ISANTI'	YELLOWTWIG DOGWOOD ISANTI DOGWOOD	6-8' 4-5'	6-10' 4-6'	MEDIUM MEDIUM	ADAPTABLE ADAPTABLE	WHITE WHITE	LATE SPRING LATE SPRING - EARLY SUMMER		
COTONEASTER LUCIDUS	PEKING COTONEASTER	6-12'	6-10'	LOW	SUN TO FS	PINK-WHITE	SPRING		
CRATAEGUS AMBIGUA FORESTIERA NEOMEXICANA	RUSSIAN HAWTHORN NEW MEXICO PRIVET	15-25' 8-12'	15-20' 6-8'	LOW	SUN TO FS SUN	WHITE N/A	SPRING N/A		
LIGUSTRUM VULGARE 'CHEYENNE'	CHEYENNE PRIVET	6-8'	4-6'	LOW	SUN TO FS	WHITE	EARLY SUMMER		
PEROVSKIA ATRIPLICIFOLIA PHILADELPHUS LEWISII	SAGE, RUSSIAN MOCKORANGE, LEWIS	3-4' 6-8'	3-4' 6-8'	VERY LOW LOW	SUN	BLUE WHITE	MID TO LATE SUMMER SUMMER		
PHYSOCARPUS MONOGYNUS PHYSOCARPUS OPULIFOLIUS COPPERTINA	NINEBARK, NATIVE NINEBARK, COPPERTINA	3-4' 8-10'	3-4' 8-10'	LOW	SUN	WHITE WHITE	SPRING SUMMER		
POTENTILLA FRUTICOSA CORONATION TRIUMPH	POTENTILLA, CORONATION TRIUMPH	3-4'	2-3'	LOW	SUN	YELLOW	EARLY TO LATE SUMMER		
POTENTILLA FRUTICOSA JACKMANNII POTENTILLA FRUTICOSA SUTTER'S GOLD	POTENTILLA, JACKMAN POTENTILLA, SUTTER'S GOLD	2-3' 1-2'	3-4' 2-3'	LOW	SUN	YELLOW YELLOW	EARLY TO LATE SUMMER EARLY TO LATE SUMMER		
PRUNUS AMERICANA PRUNUS BESSEYI PAWNEE BUTTES	PLUM, AMERICAN CHERRY, CREEPING WESTERN SAND	10-20' 15-18'	8-12' 4-6'	LOW	SUN SUN	WHITE WHITE	MID TO LATE SPRING SPRING		
PRUNUS VIRGINIANA MELANOCARPA	CHOKECHERRY, NATIVE	8-20'	8-12'	LOW	SUN TO FS	WHITE	MID SPRING		
PRUNUS X CISTENA RHUS AROMATICA GRO-LOW	PLUM, PURPLE LEAF SUMAC, DWARF FRAGRANT	6-8' 2-3'	4-6' 6-8'	MEDIUM LOW	SUN	PALE PINK YELLOW	MID-SPRING EARLY SPRING		
RHUS GLABRA LACINIATA RHUS TRILOBATA	SUMAC, CUTLEAF SMOOTH SUMAC. THREE-LEAF	8-15'	8-10'	LOW VERY LOW	SUN	GREENISH YELLOW YELLOW	SPRING EARLY SPRING		
RHUS TRILOBATA AUTUMN AMBER	SUMAC, CREEPING THREE-LEAF	3-6' 12-18"	3-6' 3-6'	VERY LOW	SUN	YELLOW	EARLY SPRING		
RIBES ALPINUM ROBINIA NEOMEXICANA	CURRANT, ALPINE LOCUST, NEW MEXICO	3-6' 6-20'	3-6' 6-12'	LOW	SUN TO FS SUN	YELLOWISH-GREEN PINK	MID-SPRING EARLY SUMMER		
ROSA FOETIDA BICOLOR	ROSE, AUSTRIAN COPPER	6-10'	6-8'	LOW	SUN	YELLOW/ORANGE	LATE SPRING		
ROSA FOETIDA PERSIANA ROSA GLAUCA	ROSE, PERSIAN YELLOW ROSE, RED-LEAVED	4-6' 6-7'	4-6' 4-6'	LOW	SUN	YELLOW PINK	LATE SPRING EARLY SUMMER		
ROSA WOODSII ROSA X HANSA	ROSE, NATIVE PINK ROSE, PURPLE RED SHRUB	3-6' 4-6'	3-6' 4-6'	LOW	SUN SUN	PINK REDDISH-PURPLE	EARLY SUMMER EARLY TO LATE SUMMER		
ROSA X JOHN FRANKLIN	ROSE, RED FRAGRANT SHRUB	3-4'	3-5'	LOW	SUN	RED	LATE SPRING TO SUMMER		
ROSA X MORDEN CENTENNIAL ROSA X MORDEN SUNRISE	ROSE, PINK SHRUB ROSE, ORANGE SHRUB	3-4' 20-30"	4-6' 2-3'	LOW LOW	SUN SUN	PINK YELLOW-ORANGE	LATE SPRING TO FALL LATE SPRING TO FALL		
ROSA X NEARLY WILD	ROSE, SINGLE PINK SHRUB	2-3'	2-3'	LOW	SUN	PINK	EARLY TO LATE SUMMER		
ROSA X WILLIAM BAFFIN RUBUS DELICIOSUS	ROSE, PINK CLIMBING SHRUB BOULDER RASPBERRY	7-9' 3-6'	CLIMBER 3-6'	LOW ADAPTABLE	SUN	PINK WHITE	EARLY TO LATE SUMMER LATE SPRING		
SAMBUCAS PUBENS SAMBUCAS RACEMOSA	ELDER, NATIVE RED BERRIED ELDER, EUROPEAN RED	4-12' 6-8'	6-12' 6-8'	MEDIUM MEDIUM	SUN TO FS SUN	CREAMY WHITE WHITE	EARLY SUMMER SPRING		
SORBUS SCOPULINA	MOUNTAIN ASH, NATIVE	10-15'	10-12'	MEDIUM	SUN TO FS	WHITE	SPRING		
SPIREA THUNBERGII MELLOW YELLOW SYMPHORICARPOS ALBUS	SPIREA, MELLOW YELLOW SNOWBERRY, WHITE	3-5' 3-4'	3-5' 3-5'	LOW	SUN TO FS SUN TO FS	WHITE WHITE WITH PINK	EARLY SPRING EARLY SUMMER		
SYMPHORICARPOS ORBICULATUS SYRINGA MEYERI PALIBIN	CORALBERRY, RED LILAC. DWARF KOREAN	3-6' 4-6'	3-6' 4-6'	LOW	SUN TO FS SUN	CREAMY WHITE LAVENDER PINK	EARLY SUMMER LATE SPRING		
SYRINGA OBLATA CHEYENNE	LILAC, CHEYENNE	8-12'	8-12'	LOW	SUN	LAVENDER BLUE	SPRING		
SYRINGA PATULA MISS KIM SYRINGA VULGARIS	LILAC, MISS KIM DWARF LILAC, COMMON PURPLE	3-5' 10-20'	3-5' 8-12'	LOW LOW	SUN SUN	PALE LAVENDER PURPLE	LATE SPRING MID SPRING		
SYRINGA VULGARIS ALBA	LILAC, COMMON WHITE	10-20'	8-12'	LOW	SUN	PURPLE	MID SPRING		
SYRINGA VULGARIS LUDWIG SPAETH SYRINGA VULGARIS SENSATION	LILAC, DARK PURPLE LILAC, PURPLE WHITE FRENCH	8-12' 8-10'	6-8' 8-12'	LOW	SUN	DARK PURPLE PURPLE AND WHITE	MID TO LATE SPRING LATE SPRING		
VIBURNUM X RHYTIDOPHYLLOIDES ALLEGHANY	VIBURNUM, ALLEGHANY	8-10'	6-10'	LOW	SUN TO FS	CREAMY WHITE	MID TO LATE SPRING		
EVERGREEN SHRUBS BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR	SEASON	QUANTITY	
								COMMITTY	
JUNIPERUS COMMUNIS ALPINE CARPET	JUNIPER, ALPINE CARPET	8-10"	3-4'	LOW	SUN	N/A N/A	N/A N/A		
JUNIPERUS HORIZONTALIS ICEE BLUF	JUNIPER, ICEE BLUE	2-4"	6-8'	LOW	SUN				
JUNIPERUS HORIZONTALIS ICEE BLUE JUNIPERUS HORIZONTALIS WILTONII	JUNIPER, WILTON CARPET	4-6"	6-8'	LOW	SUN	N/A	N/A		
					SUN SUN SUN	N/A N/A N/A	N/A N/A N/A		
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET	4-6" 12-18" 6-12" 12-18"	6-8' 4-6'	LOW LOW	SUN SUN SUN TO FS	N/A N/A N/A	N/A N/A N/A		
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS	4-6" 12-18" 6-12" 12-18" 3-4' 2'	6-8' 4-6' 4-6' 6-8' 3-6' 8'	LOW LOW LOW MEDIUM LOW	SUN SUN SUN SUN TO FS SUN SUN	N/A N/A N/A N/A N/A	N/A N/A N/A N/A		
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY	4-6" 12-18" 6-12" 12-18" 3-4'	6-8' 4-6' 4-6' 6-8' 3-6'	LOW LOW LOW MEDIUM	SUN SUN SUN SUN TO FS SUN	N/A N/A N/A N/A	N/A N/A N/A		
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER TAXUS X MEDIA HICKSII	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS PINE, HILLSIDE CREEPER	4-6" 12-18" 6-12" 12-18" 3-4' 2' 3'	6-8' 4-6' 4-6' 6-8' 3-6' 8'	LOW LOW LOW MEDIUM LOW LOW	SUN SUN SUN SUN TO FS SUN SUN SUN	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER TAXUS X MEDIA HICKSII ORNAMENTAL GRASSES BOTANICAL NAME	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS PINE, HILLSIDE CREEPER YEW, UPRIGHT COMMON NAME	4-6" 12-18" 6-12" 12-18" 3-4' 2' 3' 8-12'	6-8' 4-6' 4-6' 6-8' 3-6' 8' 8' 3-4'	LOW LOW LOW MEDIUM LOW LOW MEDIUM WATER USE	SUN SUN SUN SUN TO FS SUN SUN SUN SUN SUN SUN SUN TO FS	N/A N/A N/A N/A N/A N/A N/A N/A Thickness of the second of	N/A N/A N/A N/A N/A N/A N/A N/A N/A SEASON	QUANTITY	
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER TAXUS X MEDIA HICKSII ORNAMENTAL GRASSES BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS PINE, HILLSIDE CREEPER YEW, UPRIGHT	4-6" 12-18" 6-12" 12-18" 3-4' 2' 3' 8-12'	6-8' 4-6' 4-6' 6-8' 3-6' 8' 3-4'	LOW LOW LOW MEDIUM LOW LOW MEDIUM	SUN SUN SUN SUN TO FS SUN SUN SUN SUN SUN SUN SUN TO FS	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	QUANTITY	
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER TAXUS X MEDIA HICKSII ORNAMENTAL GRASSES BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH'	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS PINE, HILLSIDE CREEPER YEW, UPRIGHT COMMON NAME FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS	4-6" 12-18" 6-12" 12-18" 3-4' 2' 3' 8-12' HEIGHT 4-5' 6-8' 7-9'	6-8' 4-6' 4-6' 6-8' 3-6' 8' 8' 3-4' SPREAD 18-24" 3-5' 3-4'	LOW LOW LOW MEDIUM LOW MEDIUM WATER USE LOW MEDIUM	SUN SUN SUN SUN TO FS SUN SUN SUN SUN SUN TO FS EXPOSURE SUN TO FS SUN TO FS SUN	N/A N/A N/A N/A N/A N/A N/A N/A COPPER-RED SILVERY	N/A N/A N/A N/A N/A N/A N/A N/A SEASON EARLY SUMMER TO FALL LATE SUMMER TO EARLY FALL SUMMER	QUANTITY	
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA PINUS SYLVESTRIS HILLSIDE CREEPER TAXUS X MEDIA HICKSII ORNAMENTAL GRASSES BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS PINE, HILLSIDE CREEPER YEW, UPRIGHT COMMON NAME FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS	4-6" 12-18" 6-12" 12-18" 3-4' 2' 3' 8-12' HEIGHT 4-5' 6-8' 7-9' 4-5' 3-4'	6-8' 4-6' 4-6' 6-8' 3-6' 8' 8' 3-4' SPREAD 18-24" 3-5' 3-4' 4-5' 2-3'	LOW LOW LOW MEDIUM LOW MEDIUM WATER USE LOW MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM	SUN SUN SUN SUN TO FS SUN SUN SUN SUN SUN TO FS EXPOSURE SUN TO FS SUN TO FS SUN SUN SUN	N/A N/A N/A N/A N/A N/A N/A N/A N/A FLOWER COLOR GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE	N/A N/A N/A N/A N/A N/A N/A N/A N/A SEASON EARLY SUMMER TO FALL LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER TO LATE SUMMER	QUANTITY	
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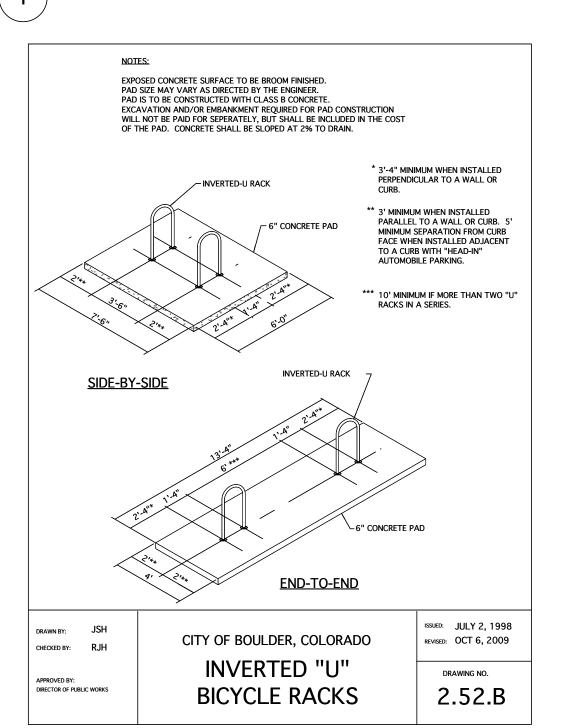
LANDSCAPE REQUIREMENTS

PHASE I			
LANDSCAPE, STREETSCAPE AND PARKIN	IG LOT REQUIRE	EMENTS	
LANDSCAPE TYPES	REQUIRED	PROVIDED	NOTES
STREETSCAPE			
1 TREE/35 LF (553 LF)	16 TREES	16 TREES	14 NEW AND 2 EXISTING
PARKING LOT LANDSCAPE			
INTERIOR - 5% OF LOT (LOT = 27,915 SF)	1,396 SF	1,603 SF	DOES NOT INCLUDE LARGE LANDSO
			AREAS ALONG ENTRY DRIVE
1 TREE/200 SF OF LANDSCAPE	7 TREES	8 TREES	EXISTING TREES
SCREENING - 42" SHRUBS	42" SHRUBS	42" SHRUBS	FULL 42" VEGETATIVE SCREEN
			PROVIDED ON NORTH AND WEST
SITE LANDSCAPE			
1 TREE AND 5 SHRUBS/1,500 SF NOT	20 TREES	22 TREES	TREES CANNOT BE PLANTED ON SC
COVERED BY BLDG OR PARKING			AND EAST PROPERTY LINES DUE
			TO UTILITIES
	100 SHRUBS	350 + SHRUBS	WELL ABOVE REQUIREMENTS
PHASE I			
OPEN SPACE REQUIREMENTS			
10-20% OF LOT AREA (LOT = 291,024 SF)	29,102 SF	29,421 SF	WELL ABOVE REQUIREMENTS
			DOES NOT INCLUDE OUTLOT A
			DOES NOT INCLUDE 5,808 SF OF
			LANDSCAPE SCREENING PROVIDED
			ALONG EAST EDGE OF LOT 2 (PHASE





TREE AND SHRUB PLANTING DETAIL



2 INVERTED U BIKE RACK



City of Boulder Eco-Cycle CHaRM

ReSource

S

StudioTerra

FAX 303.554.1575

ARCHITECTS
BOULDER, COLORADO

DREXEL, BARRELL & CO.

Engineers • Surveyors
1800 38TH STREET
BOULDER, COLORADO 80301

MARCH 18, 2011

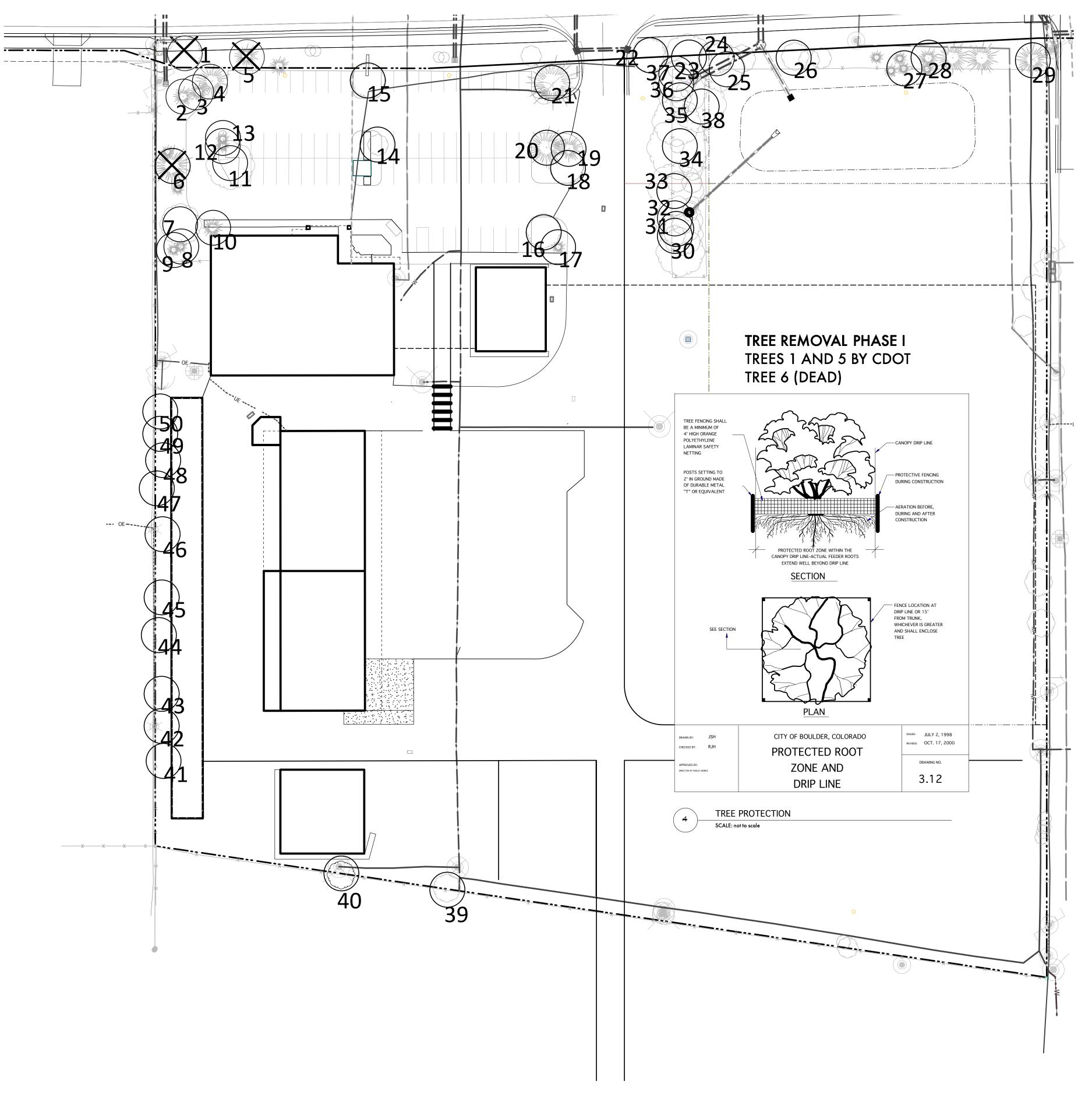
PHASE I
PLANT SCHEDULE
LANDSCAPE CHART
LANDSCAPE DETAILS

SHEET NUMBER:

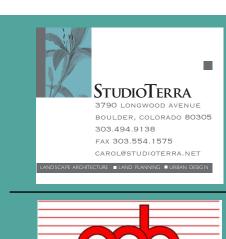
11.1

BIKE PARKING

NOTE: CITY OF BOULDER HAS BEEN COMPENSATED FOR TREES NUMBER 1, 5, 15, AND 21 AS PART OF ROW ACQUISITION



ID#	Common Name	DBH (in)		Comments or Recommendations Non pative species, management sensors	Remove Phase I	Remove Phase II	CDOT \$\$
1	Green ash	12, 9.1	Good	- Non-native species, management concern - No maintenance required	X by CDOT		Yes
2	Austrian pine	9.7	Poor	- Non-native species, management concern - Tree wire imbedded in trunk may result in tree mortality		Х	
3	Rocky Mountain juniper	5.8	Good	Native speciesNo maintenance required			
4	Colorado blue spruce	13	Fair	- Native species - Recommend pruning dead branches			
5	Austrian pine	10.3	Poor	 Non-native species, management concern Tree wire imbedded in trunk may result in tree mortality; management concern. 	X by CDOT	,	Yes
6	Colorado blue spruce	14.5, 10.3	Very Poor	- Native species - Dead; should be considered for removal	Х		Yes
7	Littleleaf linden	11.4	Fair	- Non-native species, Boulder recommended landscape tree.			
8	Rocky Mountain juniper	6	Good	- Recommend pruning dead branches - Native species			
9	Rocky Mountain juniper	7.1	Good	- No maintenance required - Native species			
				- No maintenance required - Native species			
10	Rocky Mountain juniper	8.8	Good	No maintenance requiredNon-native species, management concern			
	Green ash	12.1	Fair	- Recommend pruning dead branches - Native species		Х	
12	Rocky Mountain juniper	6	Good	- No maintenance required - Native species		X	
13	Rocky Mountain juniper	6.4	Good	- No maintenance required		Х	
14	Littleleaf linden	6.6	Fair	 Non-native species, Boulder recommended landscape tree. Recommend pruning dead branches 		Х	
15	Green ash	13.2	Fair	 Non-native species, management concern Recommend pruning dead branches 		POSSIBLY KEEP	Yes
16	Green ash	13.2	Fair	Non-native species, management concernRecommend pruning dead branches		POSSIBLY KEEP	
17	Rocky Mountain juniper	6.1	Good	- Native species - No management recommendations		Х	
18	Littleleaf linden	6.9	Fair	 Non-native species, Boulder recommended landscape tree. Recommend pruning dead branches 		POSSIBLY KEEP	
19	Colorado blue spruce	11.6	Fair	-Native species - Recommend pruning dead branches		POSSIBLY KEEP	
20	Siberian elm	11.3	Fair	- Non-native species, management concern		Х	
21	Austrian pine	19.6	Good	- Recommend pruning dead branches - Non-native species, management concern		POSSIBLY KEEP	Yes
	Green ash	15	Fair	- No maintenance required - Non-native species, management concern		Х	
23	Russian olive	7, 9.2	Good	Recommend pruning dead branchesNon-native, invasive species		X	
				- Should be considered for removal - Non-native, invasive species			
	Russian olive	6.3	Good	- Should be considered for removal - Non-native species, management concern		Х	
25	Siberian elm	19.6	Fair	- Recommend pruning dead branches - Non-native, invasive species		X	
26	Russian olive	6.7	Fair	- Should be considered for removal - Non-native species, management concern			
27	Siberian elm	Unknown (fence obstructs trunk)	Poor	- Growing into fence, may result in long-term tree mortality - Recommend pruning dead branches			
28	Russian olive	6.1	Very Poor	- Non-native, invasive species - Dead; should be considered for removal			
29	Russian olive	8	Good	- Non-native, invasive species - Should be considered for removal			
30	Eastern cottonwood	9.6	Poor	- Native species		Х	
31	Siberian elm	7.8, 9.5, 7.2, 10.5	Very Poor	 Recommend pruning dead branches Non-native species, management concern Partial tree death; should be considered for removal 		Х	
32	Siberian elm	8.3, 9.6,	Fair	- Non-native species, management concern		X	
	Siberian elm	8.6, 10.2 11.1, 9.1,	Fair	- Recommend pruning dead branches- Non-native species, management concern		X	
	Siberian elm	11.2 9.3, 9.5, 6,		- Recommend pruning dead branches - Non-native species, management concern		X	
		5.5		Recommend pruning dead branchesNon-native species, management concern			
	Siberian elm	6.8 7.3, 7.2,	Fair	Recommend pruning dead branchesNon-native species, management concern		X	
	Siberian elm	7.6, 6, 7.3	Fair	- Recommend pruning dead branches - Non-native species, management concern		X	
	Siberian elm	8.3, 7.2		- Recommend pruning dead branches - Non-native species, management concern		Х	
38	Siberian elm	10.4, 11	Fair	- Recommend pruning dead branches		X	
39	Siberian elm	Unknown (fence obstructs trunk)	Poor	 Non-native species, management concern Growing into fence, may result in long-term tree mortality Recommend pruning dead branches 			
				Non-native species, management concern - Non-native species, management concern			
40	Siberian elm	Unknown (fence	Poor	- Growing into fence, may result in long-term tree mortality			
-		obstructs trunk)		- Recommend pruning dead branches Non-native species, management concern			
41	Green ash	10.2	Good	Non-native species, management concern No maintenance required			
42	Boxelder	10.2, 8.6, 14	Good	- Native species			
43	Siberian elm	8, 14	Good	- No maintenance required - Non-native species, management concern No maintenance required			
44	Siberian elm	11, 9.6	Fair	- No maintenance required - Non-native species, management concern			
	Siberian elm	10	Fair	- Recommend pruning dead branches - Non-native species, management concern			
				- Recommend pruning dead branches - Non-native, invasive species			
	Russian olive	8.9	Good	- Should be considered for removal - Non-native species, management concern			
	Siberian elm	12.2	Fair	- Recommend pruning dead branches - Non-native species, management concern			
48	Green ash	8.9	Good	- Non-native species, management concern - Non-native species, management concern			
49	Siberian elm	7.6	Fair	- Recommend pruning dead branches			
	Siberian elm	12.6	Fair	Non-native species, management concernRecommend pruning dead branches			





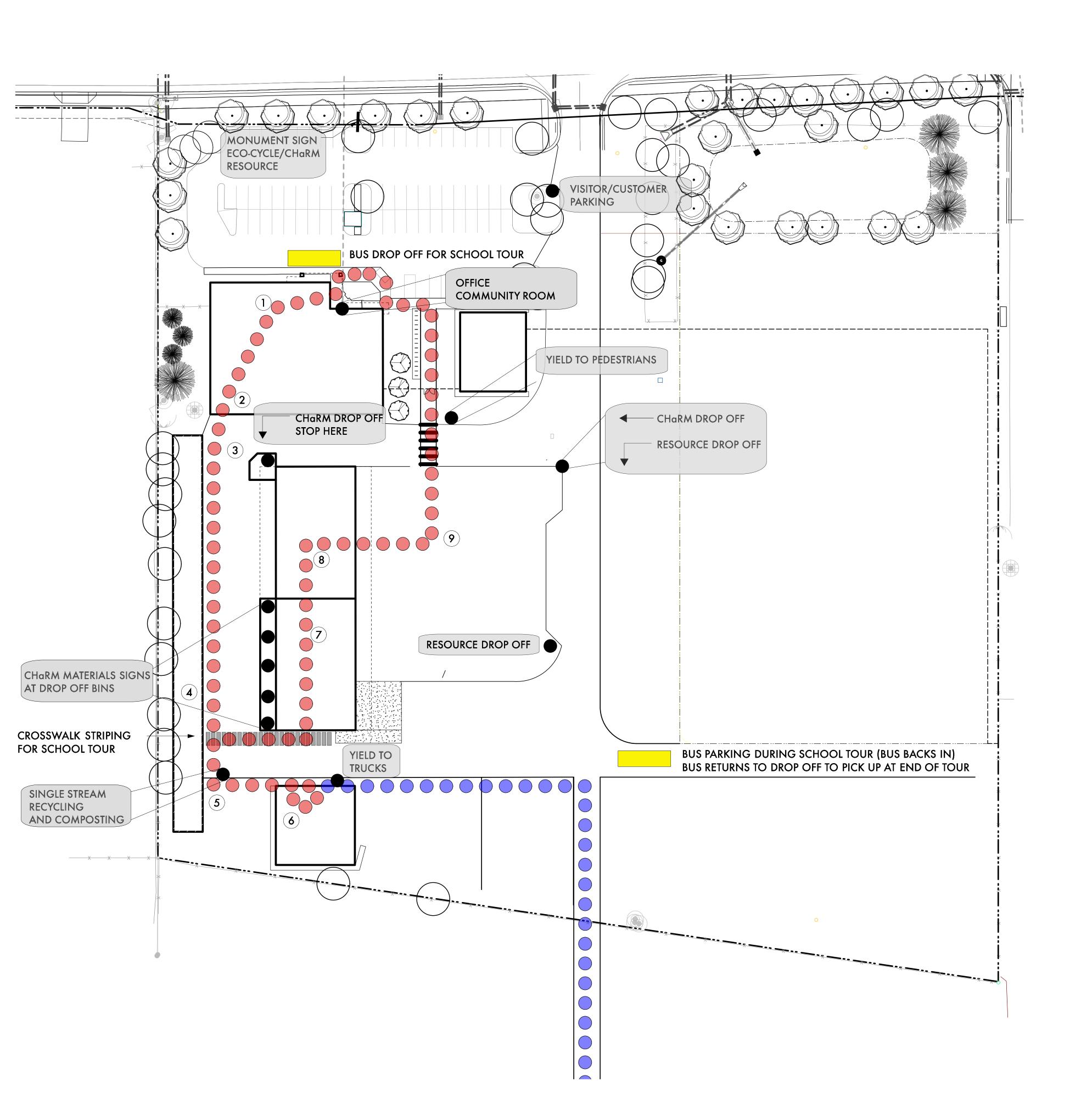


6400 Arapahoe Road
Boulder, Colorado
TE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

MARCH 18, 2011

PHASE I TREE INVENTORY AND REMOVAL



WAYFINDING LEGEND:

SCHOOL GROUP TOUR - PATH TO INCLUDE STRIPES ON ASPHALT TO INDICATE WHERE TO WALK

OPTIONAL CONNECTION FROM THORNE ECOLOGICAL INSTITUTE

1 MAJOR STOP ALONG THE TOUR

STOP 1 - COMMUNITY ROOM

STOP 2 - REUSE, REPAIR AND INVENT CENTER

STOP 3 - CHaRM WINDOW

STOP 4 - CHarm MATERIALS DROP - OFF (MAY INCLUDE COVERED BLEACHERS)

STOP 5 - SINGLE STREAM RECYCLING AND COMPOSTING

STOP 6 - WORMERY

STOP 7 - CHaRM PROCESSING

STOP 8 - RESOURCE INDOOR SHOWROOM

STOP 9 - RESOURCE OUTDOOR SHOWROOM

RESOURCE DROP OFF

DIRECTIONAL SIGN

STUDIOTERRA
3790 LONGWOOD AVENUE
BOULDER, COLORADO 80305
303.494.9138
FAX 303.554.1575
CAROL@STUDIOTERRA.NET

LANDSCAPE ARCHITECTURE AND PLANNING AURBAN DESIGN

ARCHITECTS
BOULDER, COLORADO

DREXEL, BARRELL & CO.
Engineers • Surveyors
1800 38TH STREET
BOULDER, COLORADO 80301

SITE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

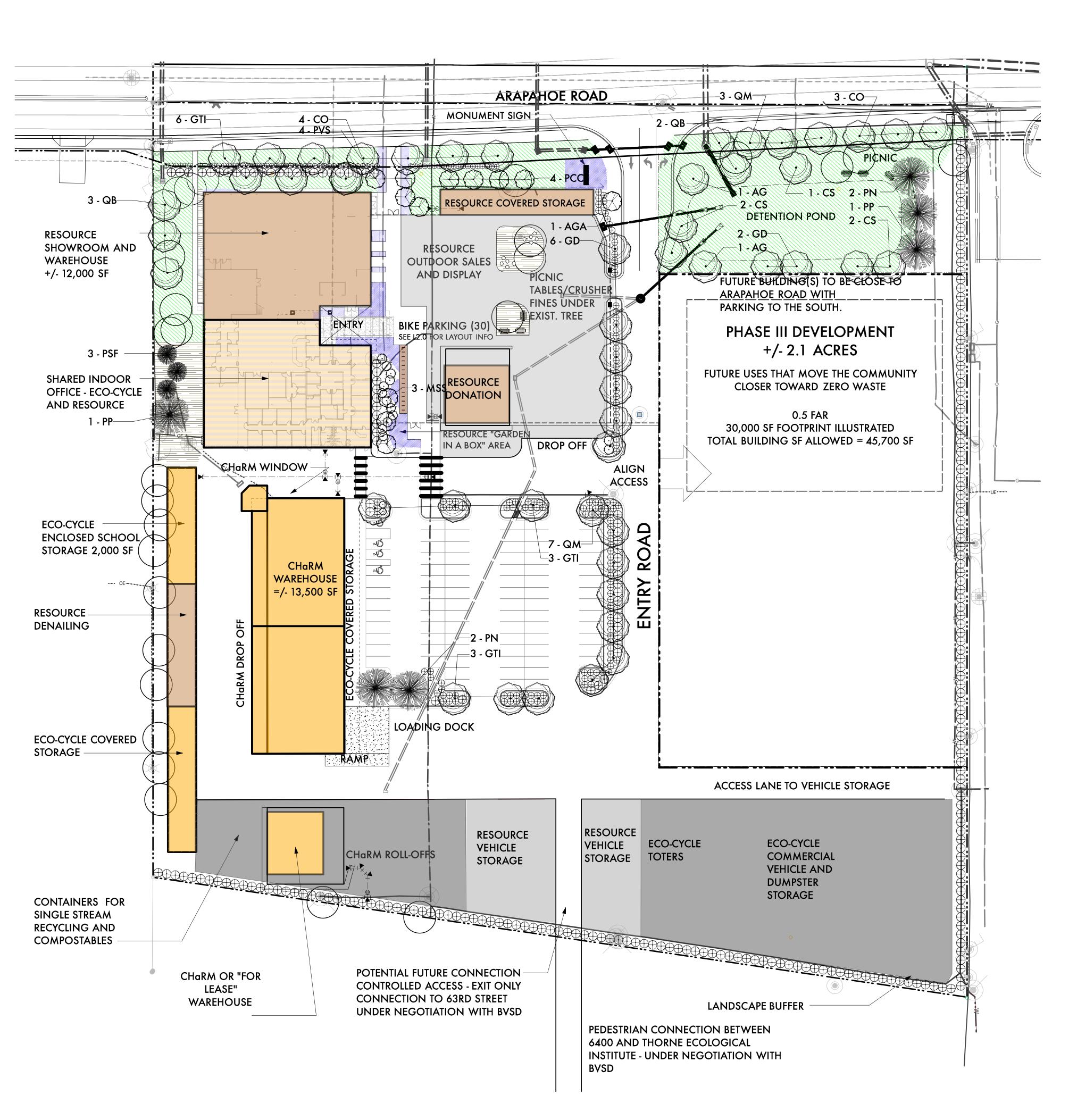
MARCH 18, 2011

PHASE I WAYFINDING PLAN

SHEET NUMBER: L 1.3

PHASEI

40 FT 20 FT 0 40 FT



NOTES:

1. ALL PLANT MATERIAL SHALL MEET SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) FOR NUMBER ONE GRADE. ALL TREES SHALL BE BALLED AND BURLAPPED OR EQUIVALENT. ALL PLANT MATERIALS SHALL HAVE ALL WIRE, TWINE OR OTHER CONTAINMENT MATERIALS, EXCEPT FOR BURLAP, REMOVED FROM TRUNK AND ROOT BALL OF THE PLANT PRIOR TO PLANTING.

- 2. ALL SHRUBS SHALL BE PLANTED NO LESS THAN 3' FROM ANY SIDEWALK OR CURB.
- 3. DEVELOPERS SHALL ENSURE THAT THE LANDSCAPE PLAN IS COORDINATED WITH THE PLANS DONE BY OTHER CONSULTANTS SO THAT THE PROPOSED GRADING, STORM DRAINAGE, OR OTHER CONSTRUCTIONS DOES NOT CONFLICT NOR PRECLUDE INSTALLATION AND MAINTENANCE OF LANDSCAPE ELEMENTS ON THIS PLAN.
- 4. ALL SHRUB BEDS AND PERENNIAL BEDS ADJACENT TO TURF AREAS SHALL BE EDGED WITH RYERSON OR APPROVED EQUIVALENT STEEL EDGER
- 5. ALL SHRUB BED AREAS AND TREE PITS SHALL BE MULCHED WITH A LAYER OF SHREDDED BARK MULCH OVER WEED BARRIER FABRIC TO A DEPTH OF 4". PERENNIALS AND GROUNDCOVER AREAS SHALL BE MULCHED WITH A 3" LAYER OF SHREDDED BARK MULCH.
- 6. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENED; ORGANIC SOIL AMENDMENTS SHALL BE INCORPORATED AT THE RATE OF AT LEAST FOUR (4) CUBIC YARDS PER 1000 SQUARE FEET OF LANDSCAPE AREA.
- 7. IN ALL LANDSCAPE AREAS, AMEND THE TOP SIX INCHES OF SOIL.
- 8. ALL LANDSCAPE (PLANT MATERIALS AND GRASS) WILL BE IRRIGATED WITH AN AUTOMATIC SYSTEM. SEE IRRIGATION PLAN.
- 9. CONTRACTOR SHALL VERIFY ALL MATERIAL QUANTITIES PRIOR TO INSTALLATION. ACTUAL NUMBER OF PLANT SYMBOLS SHALL HAVE PRIORITY OVER THE QUANTITY DESIGNATED.
- 10. REFER TO THE CITY OF BOULDER DESIGN AND CONSTRUCTION STREETSCAPING STANDARDS FOR ALL WORK WITHIN PUBLIC AREAS. REFER TO THE CIVIL ENGINEER DRAWINGS FOR GRADING AND UTILITY INFORMATION.
- 11. THIS PLAN MEETS OR EXCEEDS CITY OF BOULDER LANDSCAPE CODE REQUIREMENTS.
- 12. ALL NEW TREES TO BE 10 FEET FROM UTILITIES PER THE CITY OF BOULDER DESIGN AND CONSTRUCTION STANDARDS, CHAPTER 4.04. ANY VARIATIONS FROM THESE STANDARDS WILL BE MADE ON A CASE BY CASE BASIS BY THE REVIEWING ENGINEER AND UTILITY COMPANIES.
- 13. ALL TREES OF THE SAME SPECIES AND SIZE WILL HAVE MATCHING HEIGHT AND FORM.
- 14. REPLACE ANY EXISTING MATERIALS DAMAGED DURING THE PLANTING OPERATIONS.

LEGEND:



UTILITIES

SANITARY SEWER
STORM SEWER
WATER LINE
GAS LINE
ELECTRIC LINE

PHASE II

40 FT 20 FT 0 40 F

STUDIOTERRA
3790 LONGWOOD AVENUE
BOULDER, COLORADO 80305
303.494.9138
FAX 303.554.1575
CAROL@STUDIOTERRA.NET

LANDSCAFE ARCHITECTURE LAND PLANNING URBAN DESIGN





SITE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

MARCH 18, 2011

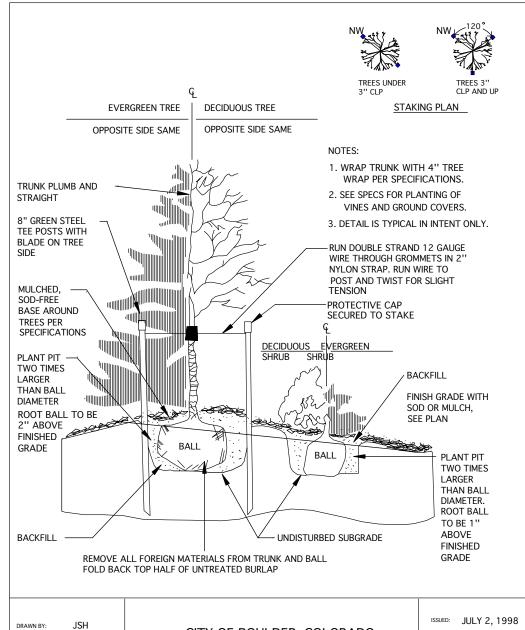
PHASE II LANDSCAPE PLAN

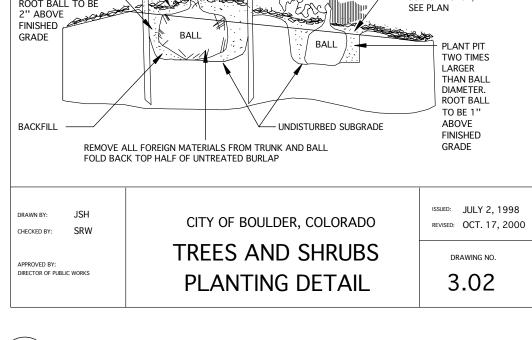
PLANT SCHEDULE

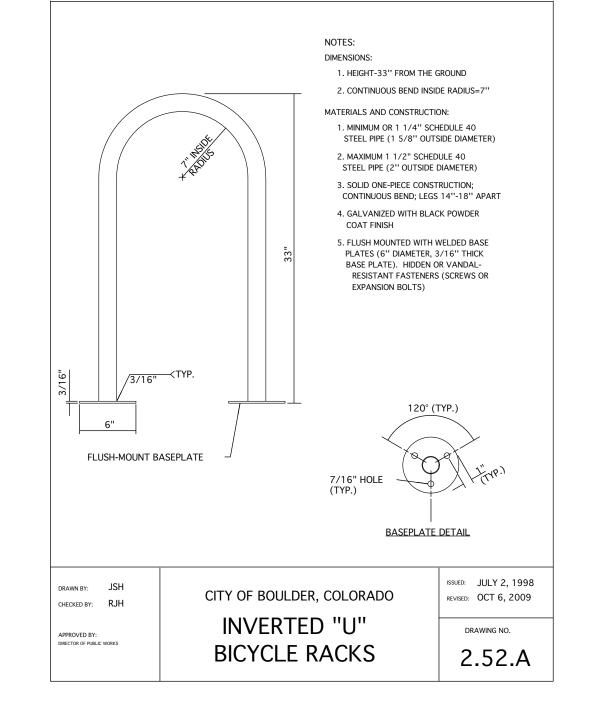
BOTANICAL NAME AESCULUS GLABRA	COMMON NAME OHIO BUCKEYE	HEIGHT 30'-50'	SPREAD 25'	WATER USE LOW	EXPOSURE SUN	FLOWER COLOR YELLOW	SPRING	ANTITY 2
AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE CATALPA SPECIOSA	SERVICEBERRY, AUTUMN BRILLIANCE CATALPA WESTERN	15-25' 40-60'	15-20' 30-50'	LOW	SUN FULL SUN	WHITE WHITE	SPRING LATE SPRING-EARLY SUMMER	5
CELTIS OCCIDENTALIS GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER	HACKBERRY, WESTERN HONEYLOCUST, SHADEMASTER	50-60' 40-50'	40-50' 30-40'	LOW	SUN	N/A N/A	N/A N/A	6
GYMNOCLADUS DIOICUS 'ESPRESSO' MALUS SPRING SNOW	SEEDLESS KENTUCKY COFFEETREE CRABAPPLE, SPRING SNOW	50-60' 20-25'	40-50' 20-25'	LOW MEDIUM	SUN SUN	YELLOW-GREEN WHITE	SPRING SPRING	2
PRUNUS VIRGINIANA SHUBERT	CHOKECHERRY, SHUBERT OR CANADA RE	ED 20-30'	15-25'	LOW	SUN	WHITE	SPRING	
PYRUS CALLERYANA CHANTICLEER QUERCUS BICOLOR	PEAR, CHANTICLEER OAK, SWAMP WHITE	20-30' 40-60'	15-20' 40-60'	MEDIUM LOW	SUN TO FS	WHITE N/A	SPRING N/A	5
QUERCUS MACROCARPA	OAK, BUR	50-80'	50-80'	LOW	SUN	N/A	N/A	3 29
EVERGREEN TREES BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR	SEASON QUA	ANTITY
PICEA PUNGENS PINUS NIGRA	SPRUCE, COLORADO PINE, AUSTRIAN	40-60' 40-60'	20-30' 30-40'	MEDIUM LOW	SUN TO FS SUN	N/A N/A	N/A N/A	2
PINUS SYLVESTRIS FASTIGIATA	PINE, UPRIGHT SCOTS	30-50'	10-15'	LOW	SUN TO FS	N/A	N/A	3
DECIDUOUS SHRUBS BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR	SEASON QUA	ANTITY
AMELANCHIER ALNIFOLIA 'REGENT'	REGENT SERVICEBERRY	6-8'	6-8'	LOW	SUN	WHITE	MID-SPRING	ANTITI
AMELANCHIER UTAHENSIS ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	UTAH SERVICEBERRY BRILLIANT RED CHOKEBERRY	6-12' 6-8'	6-12' 4-6'	LOW MEDIUM	SUN ADAPTABLE	WHITE WHITE	EARLY SPRING LATE SPRING	
ARONIA MELANOCARPA ELATA CERCOCARPUS LEDIFOLIUS INTRICATUS	BLACK CHOKECHERRY LITTLELEAF MOUNTAIN MAHOGANY	5-8' 3-6'	4-6' 3-5'	LOW VERY LOW	ADAPTABLE SUN TO FS	WHITE YELLOWISH-WHITE	LATE SPRING MID-SPRING	
CERCOCARPUS MONTANUS CORNUS ALBA 'ARGENTEOMARGINATA'	COMMON MOUNTAIN MAHOGANY VARIEGATED DOGWOOD	6-8' 6-8'	4-6' 5-8'	VERY LOW MEDIUM	SUN TO FS SUN TO FS	YELLOWISH-WHITE WHITE	MID-SPRING LATE SPRING	
CORNUS ALBA IVORY HALO CORNUS SERICEA 'FLAVIRAMEA'	IVORY HALO DOGWOOD YELLOWTWIG DOGWOOD	5-6' 6-8'	5-6' 6-10'	MEDIUM MEDIUM	SUN TO FS ADAPTABLE	WHITE WHITE	LATE SPRING LATE SPRING	
CORNUS SERICEA 'ISANTI'	ISANTI DOGWOOD PEKING COTONEASTER	4-5' 6-12'	4-6' 6-10'	MEDIUM LOW	ADAPTABLE SUN TO FS	WHITE PINK-WHITE	LATE SPRING - EARLY SUMMER SPRING	
CRATAEGUS AMBIGUA FORESTIERA NEOMEXICANA	RUSSIAN HAWTHORN NEW MEXICO PRIVET	15-25'	15-20'	LOW	SUN TO FS SUN	WHITE	SPRING N/A	
LIGUSTRUM VULGARE 'CHEYENNE'	CHEYENNE PRIVET	8-12' 6-8'	6-8' 4-6'	LOW	SUN TO FS	N/A WHITE	EARLY SUMMER	
PEROVSKIA ATRIPLICIFOLIA PHILADELPHUS LEWISII	SAGE, RUSSIAN MOCKORANGE, LEWIS	3-4' 6-8'	3-4' 6-8'	VERY LOW LOW	SUN	BLUE WHITE	MID TO LATE SUMMER SUMMER	
PHYSOCARPUS MONOGYNUS PHYSOCARPUS OPULIFOLIUS COPPERTINA	NINEBARK, NATIVE NINEBARK, COPPERTINA	3-4' 8-10'	3-4' 8-10'	LOW	SUN	WHITE WHITE	SPRING SUMMER	
POTENTILLA FRUTICOSA CORONATION TRIUMPH POTENTILLA FRUTICOSA JACKMANNII	POTENTILLA, CORONATION TRIUMPH POTENTILLA, JACKMAN	3-4' 2-3'	2-3' 3-4'	LOW LOW	SUN SUN	YELLOW YELLOW	EARLY TO LATE SUMMER EARLY TO LATE SUMMER	
POTENTILLA FRUTICOSA SUTTER'S GOLD PRUNUS AMERICANA	POTENTILLA, SUTTER'S GOLD PLUM, AMERICAN	1-2' 10-20'	2-3' 8-12'	LOW	SUN SUN	YELLOW WHITE	EARLY TO LATE SUMMER MID TO LATE SPRING	
PRUNUS AMERICANA PRUNUS BESSEYI PAWNEE BUTTES PRUNUS VIRGINIANA MELANOCARPA	CHERRY, CREEPING WESTERN SAND CHOKECHERRY, NATIVE	15-18' 8-20'	4-6' 8-12'	LOW	SUN SUN TO FS	WHITE WHITE	SPRING MID SPRING	
PRUNUS X CISTENA	PLUM, PURPLE LEAF	6-8'	4-6'	MEDIUM	SUN	PALE PINK	MID-SPRING	
RHUS AROMATICA GRO-LOW RHUS GLABRA LACINIATA	SUMAC, DWARF FRAGRANT SUMAC, CUTLEAF SMOOTH	2-3' 8-15'	6-8' 8-10'	LOW	SUN	YELLOW GREENISH YELLOW	EARLY SPRING SPRING	
RHUS TRILOBATA RHUS TRILOBATA AUTUMN AMBER	SUMAC, THREE-LEAF SUMAC, CREEPING THREE-LEAF	3-6' 12-18"	3-6' 3-6'	VERY LOW VERY LOW	SUN	YELLOW YELLOW	EARLY SPRING EARLY SPRING	
RIBES ALPINUM ROBINIA NEOMEXICANA	CURRANT, ALPINE LOCUST, NEW MEXICO	3-6' 6-20'	3-6' 6-12'	LOW LOW	SUN TO FS SUN	YELLOWISH-GREEN PINK	MID-SPRING EARLY SUMMER	
ROSA FOETIDA BICOLOR ROSA FOETIDA PERSIANA	ROSE, AUSTRIAN COPPER ROSE, PERSIAN YELLOW	6-10' 4-6'	6-8' 4-6'	LOW	SUN SUN	YELLOW/ORANGE YELLOW	LATE SPRING LATE SPRING	
ROSA FOETIDA PERSIANA ROSA GLAUCA ROSA WOODSII	ROSE, RED-LEAVED ROSE, NATIVE PINK	6-7' 3-6'	4-6' 3-6'	LOW LOW	SUN SUN	PINK PINK	EARLY SUMMER EARLY SUMMER	
ROSA X HANSA	ROSE, PURPLE RED SHRUB	4-6'	4-6'	LOW	SUN	REDDISH-PURPLE	EARLY TO LATE SUMMER	
ROSA X JOHN FRANKLIN ROSA X MORDEN CENTENNIAL	ROSE, RED FRAGRANT SHRUB ROSE, PINK SHRUB	3-4' 3-4'	3-5' 4-6'	LOW	SUN	RED PINK	LATE SPRING TO SUMMER LATE SPRING TO FALL	
ROSA X MORDEN SUNRISE ROSA X NEARLY WILD	ROSE, ORANGE SHRUB ROSE, SINGLE PINK SHRUB	20-30" 2-3'	2-3' 2-3'	LOW	SUN	YELLOW-ORANGE PINK	LATE SPRING TO FALL EARLY TO LATE SUMMER	
ROSA X WILLIAM BAFFIN RUBUS DELICIOSUS	ROSE, PINK CLIMBING SHRUB BOULDER RASPBERRY	7-9' 3-6'	CLIMBER 3-6'	LOW ADAPTABLE	SUN LOW	PINK WHITE	EARLY TO LATE SUMMER LATE SPRING	
SAMBUCAS PUBENS SAMBUCAS RACEMOSA	ELDER, NATIVE RED BERRIED ELDER, EUROPEAN RED	4-12' 6-8'	6-12' 6-8'	MEDIUM MEDIUM	SUN TO FS SUN	CREAMY WHITE WHITE	EARLY SUMMER SPRING	
SORBUS SCOPULINA	MOUNTAIN ASH, NATIVE	10-15'	10-12'	MEDIUM	SUN TO FS	WHITE	SPRING	
SPIREA THUNBERGII MELLOW YELLOW SYMPHORICARPOS ALBUS	SPIREA, MELLOW YELLOW SNOWBERRY, WHITE	3-5' 3-4'	3-5' 3-5'	LOW	SUN TO FS SUN TO FS	WHITE WHITE WITH PINK	EARLY SPRING EARLY SUMMER	
SYMPHORICARPOS ORBICULATUS SYRINGA MEYERI PALIBIN	CORALBERRY, RED LILAC, DWARF KOREAN	3-6' 4-6'	3-6' 4-6'	LOW	SUN TO FS SUN	CREAMY WHITE LAVENDER PINK	EARLY SUMMER LATE SPRING	
SYRINGA OBLATA CHEYENNE SYRINGA PATULA MISS KIM	LILAC, CHEYENNE LILAC, MISS KIM DWARF	8-12' 3-5'	8-12' 3-5'	LOW	SUN	LAVENDER BLUE PALE LAVENDER	SPRING LATE SPRING	
SYRINGA VULGARIS SYRINGA VULGARIS ALBA	LILAC, COMMON PURPLE LILAC, COMMON WHITE	10-20' 10-20'	8-12' 8-12'	LOW LOW	SUN SUN	PURPLE PURPLE	MID SPRING MID SPRING	
SYRINGA VULGARIS LUDWIG SPAETH SYRINGA VULGARIS SENSATION	LILAC, DARK PURPLE LILAC, PURPLE WHITE FRENCH	8-12'	6-8'	LOW	SUN	DARK PURPLE	MID TO LATE SPRING	
VIBURNUM X RHYTIDOPHYLLOIDES ALLEGHANY	VIBURNUM, ALLEGHANY	8-10' 8-10'	8-12' 6-10'	LOW	SUN TO FS	PURPLE AND WHITE CREAMY WHITE	LATE SPRING MID TO LATE SPRING	
EVERGREEN SHRUBS			00000					
BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE	EXPOSURE	FLOWER COLOR		ANTITY
JUNIPERUS COMMUNIS ALPINE CARPET JUNIPERUS HORIZONTALIS ICEE BLUE	JUNIPER, ALPINE CARPET JUNIPER, ICEE BLUE	8-10" 2-4"	3-4' 6-8'	LOW	SUN	N/A N/A	N/A N/A	
JUNIPERUS HORIZONTALIS WILTONII JUNIPERUS HORIZONTALIS YOUNGSTOWN	JUNIPER, WILTON CARPET JUNIPER, ANDORRA YOUNGSTOWN	4-6" 12-18"	6-8' 4-6'	LOW	SUN	N/A N/A	N/A N/A	
JUNIPERUS PROCUMBENS GREEN MOUND JUNIPERUS SABINA CALGARY CARPET	JUNIPER, GREEN MOUND JUNIPER, CALGARY CARPET	6-12" 12-18"	4-6' 6-8'	LOW	SUN SUN TO FS	N/A N/A	N/A N/A	
PICEA ABIES ELEGANS PINUS SYLVESTRIS ALBYN PROSTRATA	SPRUCE, SPREADING NORWAY PINE, SPREADING SCOTS	3-4'	3-6' 8'	MEDIUM LOW	SUN SUN	N/A N/A	N/A N/A	
PINUS SYLVESTRIS HILLSIDE CREEPER	PINE, HILLSIDE CREEPER	3'	8'	LOW	SUN	N/A	N/A	
TAXUS X MEDIA HICKSII	YEW, UPRIGHT	8-12'	3-4'	MEDIUM	SUN TO FS	N/A	N/A	
_					EXPOSURE	FLOWER COLOR		ANTITY
ORNAMENTAL GRASSES BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	WATER USE				
	COMMON NAME FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS	HEIGHT 4-5' 6-8'	SPREAD 18-24" 3-5'	LOW MEDIUM	SUN TO FS SUN TO FS	GOLDEN TAN COPPER-RED	EARLY SUMMER TO FALL LATE SUMMER TO EARLY FALL	ANTITI
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	4-5'	18-24"	LOW	SUN TO FS	GOLDEN TAN		AWIIII
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS	FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS	4-5' 6-8' 7-9' 4-5' 3-4'	18-24" 3-5' 3-4' 4-5' 2-3'	LOW MEDIUM MEDIUM MEDIUM MEDIUM	SUN TO FS SUN TO FS SUN SUN SUN	GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE	LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER	ANTITI
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS MISCANTHUS SINENSIS 'STRICTUS' PANICUM VIRGATUM	FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS PORCUPINE GRASS SWITCH GRASS	4-5' 6-8' 7-9' 4-5' 3-4' 5-8" 3-5'	18-24" 3-5' 3-4' 4-5' 2-3' 3-4' 18-24"	LOW MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM LOW	SUN TO FS SUN TO FS SUN SUN SUN SUN SUN SUN	GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE SILVERY WHITE PINK	LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER LATE SUMMER LATE SUMMER	ANTI
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS MISCANTHUS SINENSIS 'STRICTUS' PANICUM VIRGATUM PANICUM VIRGATUM 'DALLAS BLUES' PENNISETUM ALOPECUROIDES	FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS PORCUPINE GRASS SWITCH GRASS DALLAS BLUES BLUE SWITCH GRASS FOUNTAIN GRASS	4-5' 6-8' 7-9' 4-5' 3-4' 5-8" 3-5' 4-6' 3-4'	18-24" 3-5' 3-4' 4-5' 2-3' 3-4' 18-24" 18-24" 24-30"	LOW MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM LOW LOW LOW	SUN TO FS SUN TO FS SUN SUN SUN SUN SUN SUN SUN SUN SUN SU	GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE SILVERY WHITE PINK PINK TAN	LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER LATE SUMMER LATE SUMMER FALL LATE SUMMER	ANTI
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS MISCANTHUS SINENSIS 'STRICTUS' PANICUM VIRGATUM PANICUM VIRGATUM 'DALLAS BLUES'	FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS PORCUPINE GRASS SWITCH GRASS DALLAS BLUES BLUE SWITCH GRASS	4-5' 6-8' 7-9' 4-5' 3-4' 5-8" 3-5' 4-6'	18-24" 3-5' 3-4' 4-5' 2-3' 3-4' 18-24"	LOW MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM LOW LOW	SUN TO FS SUN TO FS SUN SUN SUN SUN SUN SUN SUN SUN SUN	GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE SILVERY WHITE PINK PINK TAN	LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER LATE SUMMER LATE SUMMER FALL	ANTI
BOTANICAL NAME CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' MISCANTHUS SINENSIS 'CABARET' MISCANTHUS SINENSIS 'GOLIATH' MISCANTHUS SINENSIS 'GRACILLIMUS' MISCANTHUS SINENSIS PURPURASCENS MISCANTHUS SINENSIS 'STRICTUS' PANICUM VIRGATUM PANICUM VIRGATUM 'DALLAS BLUES' PENNISETUM ALOPECUROIDES	FEATHER REED GRASS CABARET VARIEGATED MAIDEN GRASS GOLIATH MAIDEN GRASS MAIDEN GRASS FLAME (PURPLE MAIDEN) GRASS PORCUPINE GRASS SWITCH GRASS DALLAS BLUES BLUE SWITCH GRASS FOUNTAIN GRASS	4-5' 6-8' 7-9' 4-5' 3-4' 5-8" 3-5' 4-6' 3-4'	18-24" 3-5' 3-4' 4-5' 2-3' 3-4' 18-24" 18-24" 24-30"	LOW MEDIUM MEDIUM MEDIUM MEDIUM MEDIUM LOW LOW LOW	SUN TO FS SUN TO FS SUN SUN SUN SUN SUN SUN SUN SUN SUN SU	GOLDEN TAN COPPER-RED SILVERY CREAMY-WHITE BRONZE SILVERY WHITE PINK PINK TAN	LATE SUMMER TO EARLY FALL SUMMER LATE SUMMER TO LATE SUMMER LATE SUMMER LATE SUMMER FALL LATE SUMMER CLATE SUMMER CLATE SUMMER TO FALL	ANTITY
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LANDSCAPE REQUIREMENTS

LANDSCAPE, STREETSCAPE AND PARKIN			
LANDSCAPE TYPES	REQUIRED	PROVIDED	NOTES
STREETSCAPE			
1 TREE/35 LF (553 LF)	16 TREES	24 TREES	WELL ABOVE REQUIREMENTS
PARKING LOT LANDSCAPE			
INTERIOR - 5% OF LOT (LOT = 25,370 SF)	1,296 SF	2,970 SF	DOES NOT INCLUDE LARGE LANDSCAF
			AREAS ALONG ENTRY DRIVE
1 TREE/200 SF OF LANDSCAPE	14 TREES	15 TREES	
SCREENING - 42" SHRUBS	42" SHRUBS	42" SHRUBS	FULL 42" VEGETATIVE SCREEN
			PROVIDED ALONG ENTRY DRIVE
SITE LANDSCAPE			
1 TREE AND 5 SHRUBS/1,500 SF NOT	22 TREES	54 TREES	WELL ABOVE REQUIREMENTS
COVERED BY BLDG OR PARKING			
	110 SHRUBS	400 + SHRUBS	WELL ABOVE REQUIREMENTS
PHASE I			
OPEN SPACE REQUIREMENTS			
10-20% OF LOT AREA (LOT = 291,024 SF)	29,102 SF	29,421 SF	WELL ABOVE REQUIREMENTS
			DOES NOT INCLUDE OUTLOT A
			DOES NOT INCLUDE 5,808 SF OF
			LANDSCAPE SCREENING PROVIDED
			ALONG EAST EDGE OF LOT 2 (PHASE II

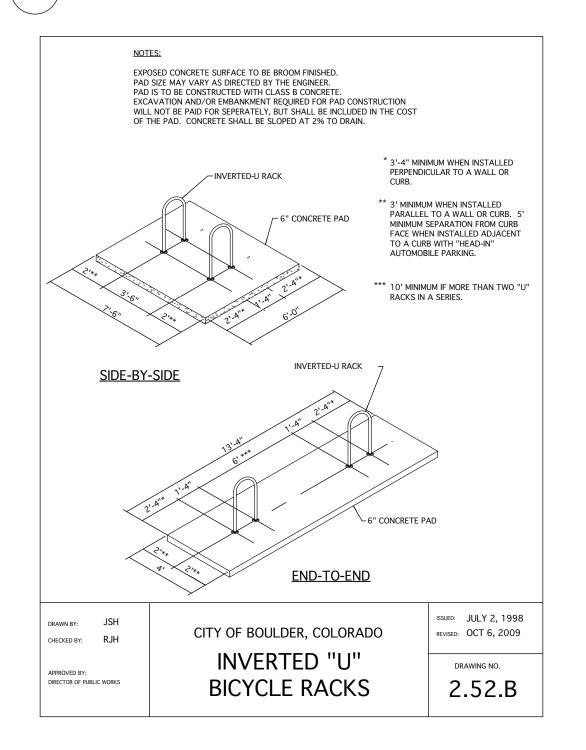






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TREE AND SHRUB PLANTING DETAIL





StudioTerra

303.494.9138 FAX 303.554.1575

ARCHITECTS BOULDER, COLORADO

DREXEL, BARRELL & CO.

Engineers • Surveyors
1800 38TH STREET BOULDER, COLORADO 80301

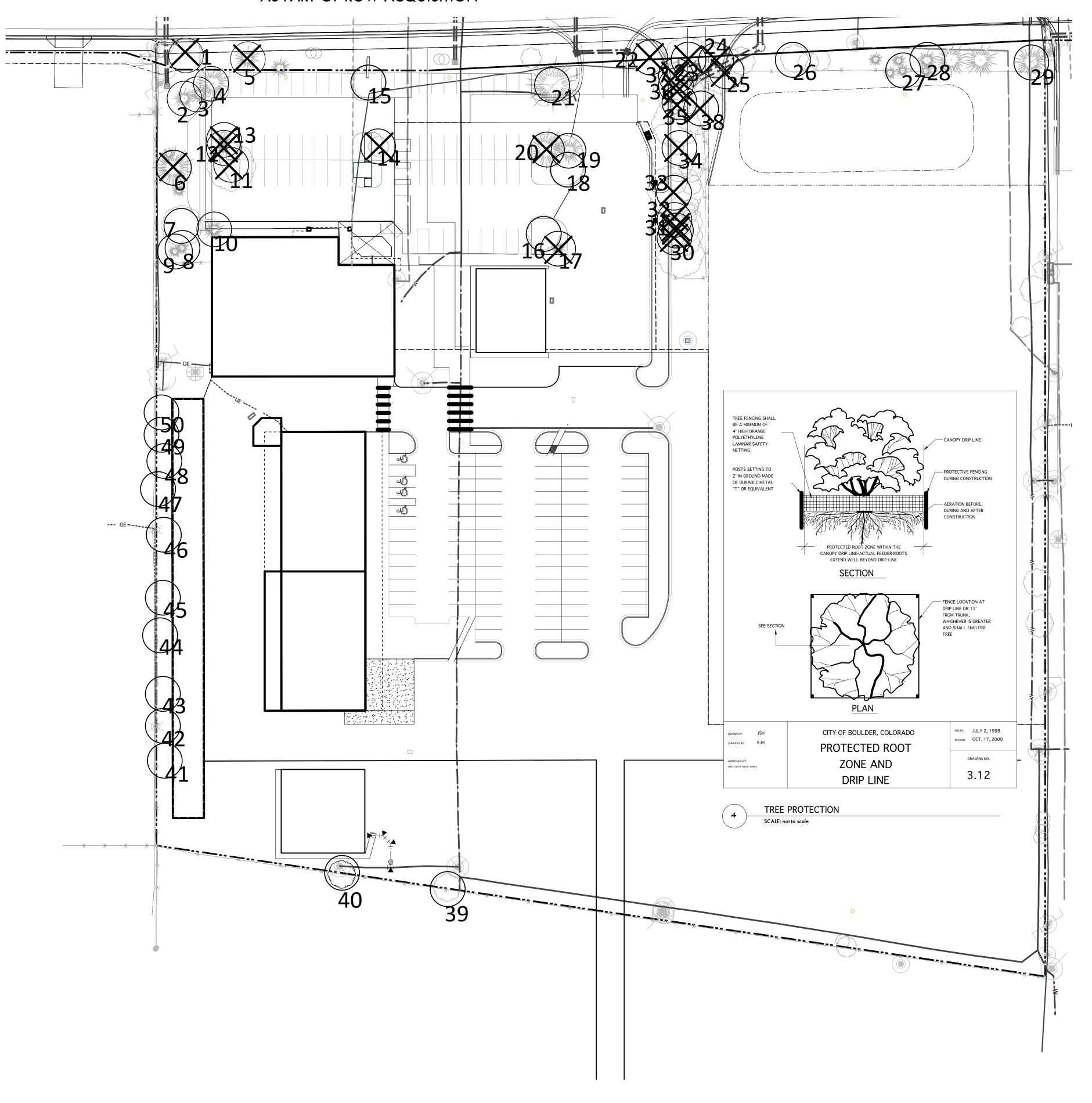
E ARCHITECTURE ■ LAND PLANNING ■ URBAN DESIGN

City of Boulder Eco-Cycle $\mathsf{CHaR}\mathsf{M}$ ReSource

MARCH 18, 2011

PHASE II PLANT SCHEDULE LANDSCAPE CHART LANDSCAPE DETAILS

NOTE: CITY OF BOULDER HAS BEEN COMPENSATED FOR TREES NUMBER 1, 5, 15, AND 21 AS PART OF ROW ACQUISITION



ID#	Common Name	DBH (in)		Comments or Recommendations Non pative species, management sensors	Remove Phase I	Remove Phase II	CDOT \$\$
1	Green ash	12, 9.1	Good	- Non-native species, management concern - No maintenance required	X by CDOT		Yes
2	Austrian pine	9.7	Poor	- Non-native species, management concern - Tree wire imbedded in trunk may result in tree mortality		Х	
3	Rocky Mountain juniper	5.8	Good	Native speciesNo maintenance required			
4	Colorado blue spruce	13	Fair	- Native species - Recommend pruning dead branches			
5	Austrian pine	10.3	Poor	 Non-native species, management concern Tree wire imbedded in trunk may result in tree mortality; management concern. 	X by CDOT	,	Yes
6	Colorado blue spruce	14.5, 10.3	Very Poor	- Native species - Dead; should be considered for removal	Х		Yes
7	Littleleaf linden	11.4	Fair	- Non-native species, Boulder recommended landscape tree.			
8	Rocky Mountain juniper	6	Good	- Recommend pruning dead branches - Native species			
9	Rocky Mountain juniper	7.1	Good	- No maintenance required - Native species			
				- No maintenance required - Native species			
10	Rocky Mountain juniper	8.8	Good	No maintenance requiredNon-native species, management concern			
	Green ash	12.1	Fair	- Recommend pruning dead branches - Native species		Х	
12	Rocky Mountain juniper	6	Good	- No maintenance required - Native species		X	
13	Rocky Mountain juniper	6.4	Good	- No maintenance required		Х	
14	Littleleaf linden	6.6	Fair	 Non-native species, Boulder recommended landscape tree. Recommend pruning dead branches 		Х	
15	Green ash	13.2	Fair	 Non-native species, management concern Recommend pruning dead branches 		POSSIBLY KEEP	Yes
16	Green ash	13.2	Fair	Non-native species, management concernRecommend pruning dead branches		POSSIBLY KEEP	
17	Rocky Mountain juniper	6.1	Good	- Native species - No management recommendations		Х	
18	Littleleaf linden	6.9	Fair	 Non-native species, Boulder recommended landscape tree. Recommend pruning dead branches 		POSSIBLY KEEP	
19	Colorado blue spruce	11.6	Fair	-Native species - Recommend pruning dead branches		POSSIBLY KEEP	
20	Siberian elm	11.3	Fair	- Non-native species, management concern		Х	
21	Austrian pine	19.6	Good	- Recommend pruning dead branches - Non-native species, management concern		POSSIBLY KEEP	Yes
	Green ash	15	Fair	- No maintenance required - Non-native species, management concern		Х	
23	Russian olive	7, 9.2	Good	- Recommend pruning dead branches- Non-native, invasive species		X	
				- Should be considered for removal - Non-native, invasive species			
	Russian olive	6.3	Good	- Should be considered for removal - Non-native species, management concern		Х	
25	Siberian elm	19.6	Fair	- Recommend pruning dead branches - Non-native, invasive species		X	
26	Russian olive	6.7	Fair	- Should be considered for removal - Non-native species, management concern			
27	Siberian elm	Unknown (fence obstructs trunk)	Poor	- Growing into fence, may result in long-term tree mortality - Recommend pruning dead branches			
28	Russian olive	6.1	Very Poor	- Non-native, invasive species - Dead; should be considered for removal			
29	Russian olive	8	Good	- Non-native, invasive species - Should be considered for removal			
30	Eastern cottonwood	9.6	Poor	- Native species		Х	
31	Siberian elm	7.8, 9.5, 7.2, 10.5	Very Poor	 Recommend pruning dead branches Non-native species, management concern Partial tree death; should be considered for removal 		Х	
32	Siberian elm	8.3, 9.6,	Fair	- Non-native species, management concern		X	
	Siberian elm	8.6, 10.2 11.1, 9.1,	Fair	Recommend pruning dead branchesNon-native species, management concern		X	
	Siberian elm	11.2 9.3, 9.5, 6,		- Recommend pruning dead branches - Non-native species, management concern		X	
		5.5		Recommend pruning dead branchesNon-native species, management concern			
	Siberian elm	6.8 7.3, 7.2,	Fair	Recommend pruning dead branchesNon-native species, management concern		X	
	Siberian elm	7.6, 6, 7.3	Fair	- Recommend pruning dead branches - Non-native species, management concern		X	
	Siberian elm	8.3, 7.2		- Recommend pruning dead branches - Non-native species, management concern		Х	
38	Siberian elm	10.4, 11	Fair	- Recommend pruning dead branches		X	
39	Siberian elm	Unknown (fence obstructs trunk)	Poor	 Non-native species, management concern Growing into fence, may result in long-term tree mortality Recommend pruning dead branches 			
				Non-native species, management concern - Non-native species, management concern			
40	Siberian elm	Unknown (fence	Poor	- Growing into fence, may result in long-term tree mortality			
-		obstructs trunk)		- Recommend pruning dead branches Non-native species, management concern			
41	Green ash	10.2	Good	Non-native species, management concern No maintenance required			
42	Boxelder	10.2, 8.6, 14	Good	- Native species			
43	Siberian elm	8, 14	Good	- No maintenance required - Non-native species, management concern No maintenance required			
44	Siberian elm	11, 9.6	Fair	- No maintenance required - Non-native species, management concern			
	Siberian elm	10	Fair	- Recommend pruning dead branches - Non-native species, management concern			
				- Recommend pruning dead branches - Non-native, invasive species			
	Russian olive	8.9	Good	- Should be considered for removal - Non-native species, management concern			
	Siberian elm	12.2	Fair	- Recommend pruning dead branches - Non-native species, management concern			
48	Green ash	8.9	Good	- Non-native species, management concern - Non-native species, management concern			
49	Siberian elm	7.6	Fair	- Recommend pruning dead branches			
	Siberian elm	12.6	Fair	Non-native species, management concernRecommend pruning dead branches			







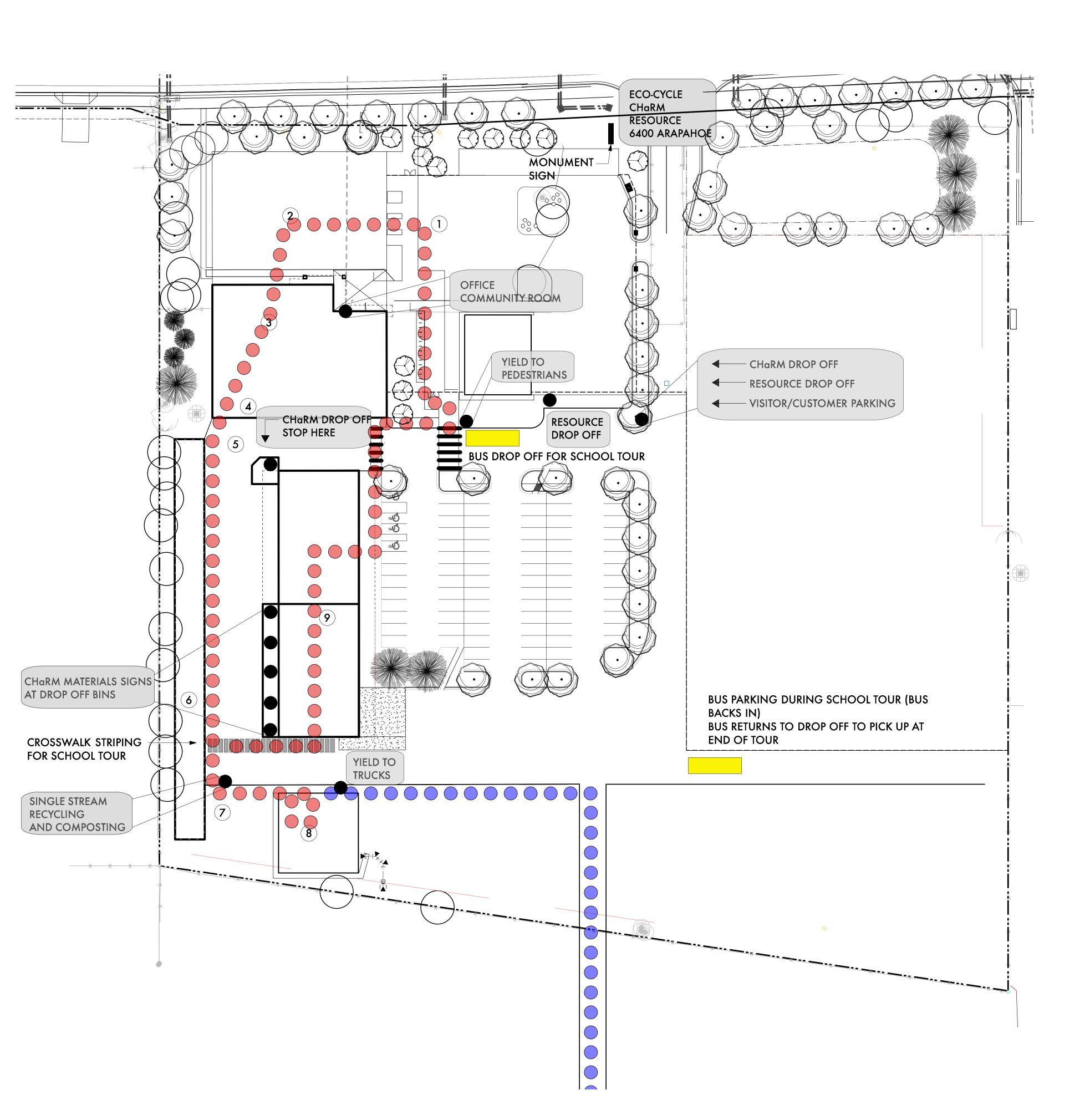
6400 Arapahoe Road
Boulder, Colorado
TE REVIEW

City of Boulder Eco-Cycle CHaRM ReSource

MARCH 18, 2011

PHASE II TREE INVENTORY AND REMOVAL

SHEET NUMBER: L 2.2



WAYFINDING LEGEND:

SCHOOL GROUP TOUR - PATH TO INCLUDE STRIPES ON ASPHALT TO INDICATE WHERE TO WALK

OPTIONAL CONNECTION FROM THORNE ECOLOGICAL INSTITUTE

1) MAJOR STOP ALONG THE TOUR

STOP 1 - RESOURCE OUTDOOR SHOWROOM (OPTIONAL)

STOP 2 - RESOURCE INDOOR SHOWROOM (OPTIONAL)

STOP 3 - COMMUNITY ROOM

STOP 4 - REUSE, REPAIR AND INVENT CENTER

STOP 5 - CHaRM WINDOW

STOP 6 - CHarm MATERIALS DROP - OFF (MAY INCLUDE COVERED BLEACHERS)

STOP 7 - SINGLE STREAM RECYCLING AND COMPOSTING

STOP 8 - WORMERY

STOP 9 - CHaRM PROCESSING

RESOURCE DROP OFF

DIRECTIONAL SIGN

City of Boulder Eco-Cycle CHaRM ReSource

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MARCH 18, 2011

PHASE II WAYFINDING PLAN

SHEET NUMBER

PHASE II

